

## Mohammed Alsiraji

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### Education

#### **MSc Artificial Intelligence with Distinction** (*Feb 2025*)

Sheffield Hallam University, Sheffield, UK

#### **BSc in Computer Science** (*Dec 2019*)

King Abdulaziz University, Jeddah, Saudi Arabia

### Skills & Interests

My most recent achievement the paper “AI-Driven Abnormal Behaviour Detection within Crowds” **accepted at ICAC2025 conference**. The paper is based on my master's dissertation where I developed a machine learning model for automatic behaviour detection in surveillance systems to support crowd management.

- I am focused on Computer Vision and its applications in smart cities and crowd management.
- I have strong programming skills in Python with extensive use of OpenCV, TensorFlow, and PyTorch.
- I frequently use data science techniques, data preparation for deep learning model development.

**Programming Languages:** Python, Swift

### Projects

- Crowd Abnormal Behaviour Detection
- Autoencoder for Image Reconstruction
- Fall Detection Prototype

### Languages

- Arabic (native)
- English